

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17106-024001/1613	Application No. 10/099,700
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Edwin Madison, et. al.	
		Filing Date March 13, 2002	Group Art Unit 1652

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
WJM	AA	Altschul et al., "Basic Local Alignment Search Tool," Journal of Molecular Biology. 215: 403-410 (1990)
	AB	Atwell et al., "Selection for improved subtiligases by phage display," Proceedings of the National Academy of Sciences USA 96:9497-9502 (1999)
	AC	Bachovchin et al., "Catalytic mechanism of serine proteases: Reexamination of the pH dependence of the histidyl <sup>1</sup> J <sub>13</sub> C <sub>2-H</sub> coupling constant in the catalytic triad of α-lytic protease," Proceedings of the National Academy of Sciences 78:7323-7326 (1981)
	AD	Carter et al., "Dissecting the catalytic triad of a serine protease," Nature 332:564-568 (1988)
	AE	Cheah et al., "Site-directed Mutagenesis Suggests Close Functional Relationship between a Human Rhinovirus 3C Cysteine Protease and Cellular Trypsin-like Serine Proteases," Journal of Biological Chemistry 265:7180-7187 (1990).
	AF	Craik et al., "The Catalytic Role of the Active Site Aspartic Acid in Serine Proteases," Science 237:909-913 (1987).
	AG	Devereux et al., "A comprehensive set of sequence analysis programs for the VAX", Nucleic Acids Research 12(1):387-395 (1984).
	AH	Pearson et al., "Improved Tools for Biological Sequence Comparison," Proceedings of the National Academy of Sciences USA 85:2444-2448 (1988)
	AI	Pearson et al., "Identifying distantly related protein sequences", Cabios Invited Review 13(4):325-332 (1997).
✓	AJ	Sprang et al., "The Three-Dimensional Structure of Asn <sup>102</sup> Mutant of Trypsin: Role of Asp <sup>102</sup> in Serine Protease Catalysis," Science 237:905-909 (1987)
WJM	AK	Wells et al., "Designing substrate specificity by protein engineering of electrostatic interactions," Proceedings of the National Academy of Sciences 84:1219-1223 (1987)

Examiner Signature <i>William W. Nwora</i>	Date Considered <i>4 April 2005</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	